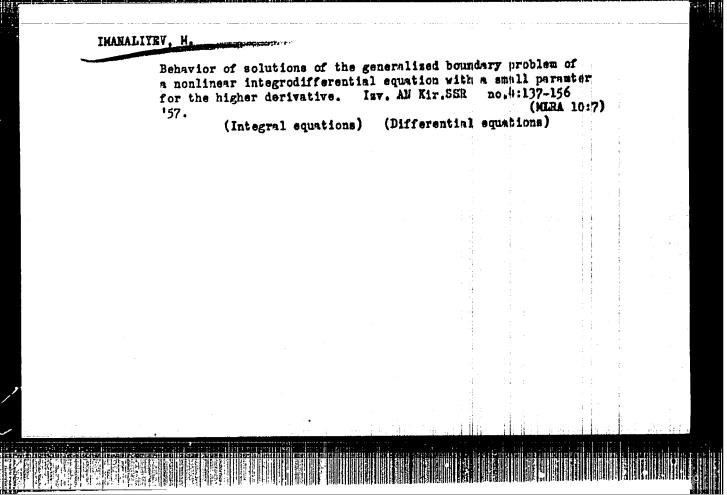
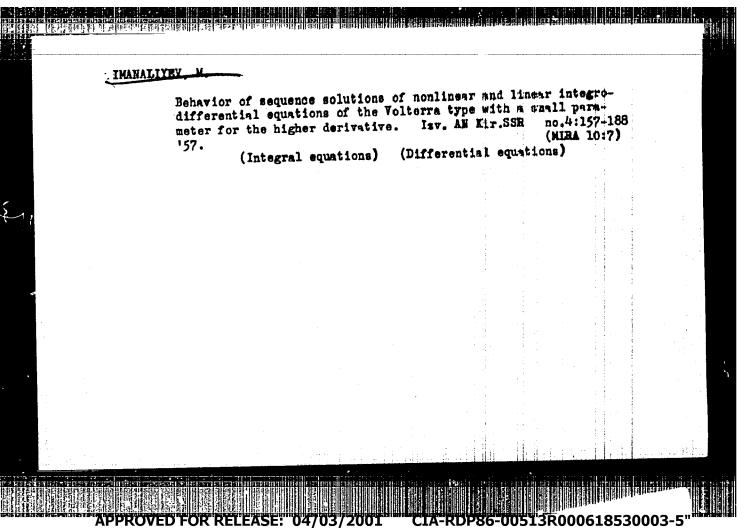
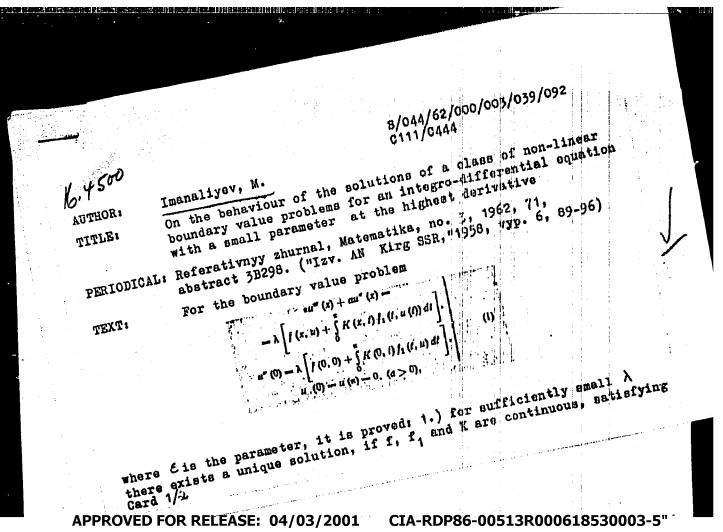
IMAMALIYEV, G.N.

Effect of instantaneous gamma and fast neutron irradiation of cuttings on the growth, development and morphological variability of the Vladimirovka cherry. Radiobidlogila 3 no. 6:909-914 '63. (MIR. 17:7)

1. Institut biologicheskoy fiziki AN BOR, Moskva.







B.3400 16.4500 5/044/60/000/007/016/058 C111/C222

AUTHOR:

Imanaliyev, M.

TITLE:

On odd periodic solutions of equations of fourth order

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 85. Abstract /no.7571. In sb.: Materialy 8-y Nauchn.konferentsii professorsko-prepodavat. sostava Fiz.-matem. Kak. (Kirg. un-t), Frunze, 1959, 19-21

TEXT: It is said that with the method of successive approximation it can be shown that the boundary value problem

$$y^{(IV)}(x) = f(x,y,y',y'',y'')$$

$$y(0) = y(\pi) = y^{n}(0) = y^{n}(\pi) = 0$$

has a unique odd periodic solution if the function $f(x,y,y^{\dagger},y^{\dagger},y^{\dagger})$ is continuous in the region $0 \le x \le \pi$, $-\infty < y^{(1)} < \infty$, and in the variables y,y',y",y" it satisfies the Lipschitz condition with a sufficiently small Lipschitz constant.

Reviewer's remark: The author's assertion that this solution is unconditionally periodic, i.e. $y(x+2\pi) = y(x)$, is imporrect since the

Card 1/2

APPROVED FOR RELEASE: 04/03/2001

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8/044/60/000/007/033/058 C111/C222

16.4500

AUTHOR:

Imanaliyev, M.

TITLE:

On the behavior of positive solutions of a class of nonlinear boundary value problems for an integro-differential equation with a small parameter for the highest derivative

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 128. Abstract no.7762. In ab: Materialy 8-y Naudhn.konferentsif professorsko-prepodavat. sostava Fiz.-matem.fak. (Kirg. un-t). Frunze, 1959, 17-19

TEXT: Without proof the author gives sufficient conditions for the existence of positive greatest and least solutions of the boundary value problem

y(c, \mathcal{E}) = A; ay'(c, \mathcal{E}) = $\int_{c}^{b} K(c,t,y)dt+f(c,A)+\varphi(c)$ $\mathcal{E}y''+ay' = f(x,y)+\int_{c}^{b} K(x,t,y)dt+\varphi(x),$

which for &->0 tend to the greatest and least positive solution, Card 1/2

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618530003

On the behavior of positive...

S/044/60/000/007/033/058 C111/C22#

respectively, of the degenerated problem

$$av'(x) = f(x,v) + \int_{c}^{b} K(x,t,v)dt + \varphi(x); \quad v(c) = A.$$

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 2/2

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44

88880

S/044/60/000/007/036/058 0111/0222

16.4500

AUTHOR:

Imanaliyev, M.

TITLE:

On the Cauchy problem for a class of nonlinear integrodifferential equations with a small parameter for the highest derivative

PERIODICAL:

Referativnyy zhurnal. Matematika, no.7, 1960, 129.
Abstract no.7766. In sb: Materialy 8-y Nauchn.konferentsii professorsko-prepodavat.sostava Fiz.-matem.fak. (Kirg. un-t). Frunze, 1959, 15-17

TEXT: Without proof the author gives sifficient conditions for the existence and uniqueness of the solution of the Cauchy problem for the equation

 $\xi y''(y, \xi) + ay'(x, \xi) = (x-0)^{m} [f(x,y) + \int_{c}^{c} K(x,t) f_{1}(t,y) dt]$

with the initial conditions

$$y(a) = A;$$
 $y'(a) = B_1 c^{-amc/\xi}$

where a,m,c, & are positive constants. Furthermore the author gives Card 1/2

X

APPROVED FOR RELEASE: 04/03/2001

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S/044/60/000/p07/036/058 C111/C222

On the Cauchy problem ...

sufficient conditions that the solution $y(x, \xi)$ for $\xi \to 0$ converges to the solution of the degenerated problem

$$av'(x) = (x-c)^{m} [f(x,v) + \int_{c}^{b} K(x,t)f_{1}(t,v)dt]$$

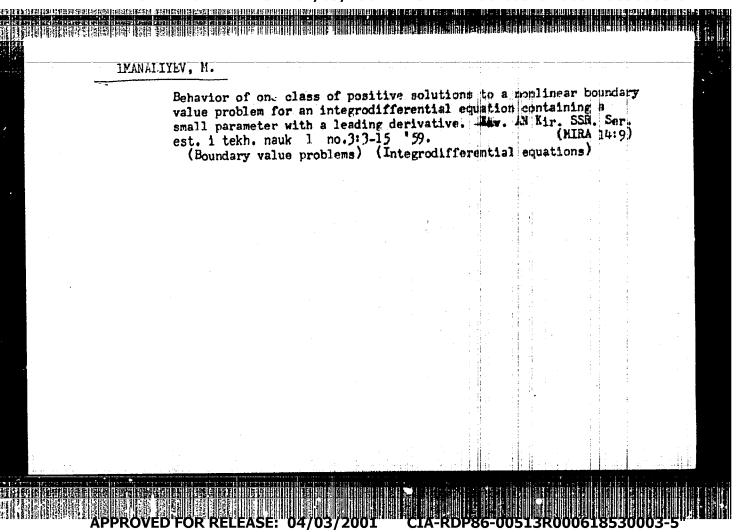
v(a) = A.

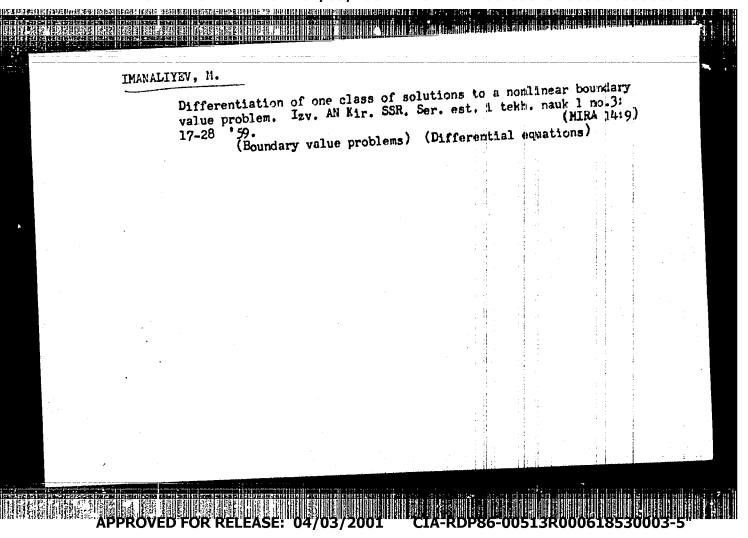
[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 2/2

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IMANALIYEV, M.

Cauchy's problem for one class of nonlinear integrodifferential equations containing a small parameter with a leading derivative. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 1 no.3129-44 59: (MIRA 14:9)

(Integrodifferential equations) (Boundary value problems)

PRASE I BOOK EXPLOIMATION SOF/3618 Akademiya nauk Kirgizskoy SOR Irwestiya. Seriya yestustvennykh i tekhnioheskikh nauk, tom 1, vyp. (Rens. Series on Natural and Yachnical Sciences, Vol 1, No. 1) Brunse, 1960. 163 n. 650 onnéss printed.	Funce, 1939. Act p. Not copies printes. Ed.: P.T. Kashirin; Theh. Ed.: W.G. Anokniss. Full Cast. This book is intended for research scientists and teachers in institutes of higher education who may be interested in developments and research from!s in warious actentific fields.	CONTAINED THE BOOK CONTENES IN STRUCTURE ALLIANCES THE CONTENNES IN CO	Jainsory, E.P. Determination of Factiny Zainsory, E.P. Determination of the Saturation Coefficient of Year Rollsson 53 Emphory, P.L., and M.E. Termetshinov, Effect of the Weight of an Emplosive Charge on the Scattering Speed of Ground Particles During Massing	Burton, V.M., M.4. Descriptore, A.V. Digaranty, and m.4. Israilasov. INN Study of two massal affect on disea Saspiss mercened after Bartons of the Santas Essential Management of two Current Current English A.V., A.V. Polisyeskiy, and Tr. 2. Tapanizator. V. 1889 Study of Franchish and Trial Private in the Santas English of Franchish and Trial Private in the Santas English Santas	Integralifier in General Boundary Value Problem for a Monitonar Integralifier in the Mighest Darianters at the Mighest Darianters at the Mighest Legistative Contraction of The Total Andrews of Sciences in 1987 of Fibrications of The Wilking Michigan Contractions of Total Contractions of The Wilking Contractions of The William Contractions of The Wilking Contractions of The Wilking Co	AVAILABLE: Library of Congress (Q 60.451642)	
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5/757/61/000/001/003/010

Imanaliyev, M. AUTHOR:

On the behavior of the solutions of integro-differential equations having

a small parameter before the derivative. TITLE:

Akademiya nauk Kirgizskoy SSR. Institut fiziki, matematiki i mekhaniki.

Issledovaniya po integro-differentsial'nym uravmeniyam v Kirgizii.

no.1. Frunze, 1961, 133-137.

This paper follows several recent Soviet studies (Tikhonov, A.N., Mat. sbornik, v. 22, no. 64, 1948; Gradshteyn, I.S., Mat. sb., v. 33, 1952; Pontryagin, L.S., Akad. nauk SSSR, Izv., ser. matem., v. 21, 1957) on the theory of differential equations with a small parameter before the highest derivative and a few such studies on the theory of integro-differential equations with a small parameter before the highest derivative (Yu-Why Tschen, Compositio Mathematica, v. 2, 1953, 378-401; Imanaliyev, M., On the behavior of the solutions of integro-differential equations with a small parameter before the highest derivative - in Russian; Conference of the teaching staff of the School of Physics and Mathematics of the Kirgiz State University in honor of the 40th Anniversary of the Great Socialist October Revolution. Frunze, 1957). The specific objective of this paper is a study of the behavior of the solutions of the conlinear system of integro-differential equations:

Card 1/2

SOURCE:

On the behavior of the solutions of integro-differential..5/T57/61/050/001/003/010

$$\frac{du}{dx} = A(x)u + F(x,u,z) + \int_{0}^{x} e^{-(x-t)} K(x,t,u(t),x(t))dt$$

$$e^{\frac{dz}{dx}} + Q(x)z = M(x,u,z) + \int_{0}^{x} e^{-(x-t)} R(x,t,u,z)dt,$$
[1]

where (1) A(x) is an n-quadratic matrix; (2) u, F, and K are n-dimensional vertors; (3) z, M, and R are m-dimensional vectors; (4) Q(x) is a positive function with the stipulation that Q(x) > d > 0 for all values x > 0; (5) 4:>0 is a parameter. Two theorems, establishing the unique, continuous solution of the Gauchy problem $v(0) = v^0$ under fulfillment of two specified conditions, are demonstrated. There are 7 references (6 Russian-language Soviet and 1 German).

ASSOCIATION: None given.

SUBMITTED: First presented at the Republic of Kazakhshan Mathematical

Conference, October 1959.

Card 2/2

APPROVED FOR REI FASE: 04/03/2001

*CTA-RDP86-005138000618530003-

5/757/61/000/001/004/010

Imanaliyev, M. AUTHOR:

On periodic solutions of nonlinear systems of integro-differential TITLE:

equations with a small parameter.

Akademiya nauk Kirgizskoy SSR. Institut fiziki, matematiki i mekha-SOURCE:

niki. Issledovaniya po integro-differentsial'nym uravneniyam v

Kirgizii. no.1. Frunze, 1961, 139-144.

A number of problems in physics and engineering necessitates the study of the behavior of the solutions of systems of integro-differential equations that contain a small parameter before the derivative. The present paper proves the existence of a periodic solution of the system of integro-differential equations

 $e \frac{du}{dx} + pu = F(x, u, z) + \int_{0}^{a} K(x, t, u, z) dt,$ $\frac{dz}{dx} + gz = M(x, u, z) + \int_{0}^{a} Q(x, t, u, z) dt,$

Card 1/2

	lutions of nominear systems	3/787	/61/000/0 <mark>0</mark>	1/004,900	
Vectors: pland	igates the behaviour of this solution signate nedimensional vectors, M, g are nonzero constants. It is assitions, periodic relative to the arguments.	Q, and z a	In the ayete	esta (1)	/ -
ASSOCIATION:					
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\$/044/62/000/005/023/072 C111/0353

AUTHORS:

Bykov, Ya.V., Imanaliyev, M.

TITLE:

On periodic solutions of integro-differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 78, abstract 5B351. ("Issled. po integro-differents. uravneniyam

v Kirgizii". No. 1. Frunze, AN KirgSSR, 1961, 145-158)

Given are sufficient conditions for: 1) The existence of periodic solutions with the period W of the system of integro-differential equations

$$\begin{cases} e \frac{dz}{dx} = Bz + k_1(x) + \lambda T_1[x, z(x), u(x)], \\ \frac{du}{dx} = A(x) u + k_2(x) + \lambda T_1[x, z(x), u(x)]; \\ Bv + k_1(x) + \lambda T_1[x, v(x), w(x)] = 0, \\ \frac{dw}{dx} = A(x) w + k_1(x) + \lambda T_1[x, v(x), w(x)], \end{cases}$$
(2)

assuming that $k_i(x+\omega)=k_i(x)$, B-- a constant $n\times n$ - matrix: $A(x+\omega)=A(x)$ an $m \times m$ - matrix; $T_1(x,z,u)$ -- an operator which maps the (n+m)-Card 1/3

S/044/62/000/005/023/072 C111/C333

On periodic solutions...

dimensional continuous vector function (z,u) with the period ω on an n-dimensional continuous vector function with period ω . 2) The convergence (for $\varepsilon \to 0$) of the periodic solution of (1) to the periodic solution of (2). 3) The stability of the solutions of the system of integro-differential equations

 $\frac{du}{dx} = A(x)u + \mu(x) + \lambda \varphi(x, u(x)) + \lambda \begin{cases} h(x) \\ \chi(x, s, u(s)) ds, \end{cases}$

where the functions $\mu(x)$, $\psi(x,u)$, $\psi(x,s,u)$, h(x) have the period with respect to x. The proofs of the theorems which are concerned with the above given questions are based on the Lemma: Let the following conditions be fulfilled: 1) The equation

 $\frac{d\mathbf{u}}{d\mathbf{x}} = \mathbf{A}(\mathbf{x})\mathbf{u} \tag{3}$

has no non-trivial solutions with the period ω ; 2) W(x) is the fundamental matrix of (3), where W(0)=E is the unit matrix; 3) D=W(ω); B=D-E; 4) f(x+ ω)=f(x). Then the period colution (with the period ω) Card 2/3.

APPROVED FOR RELEASE: 04/03/2001

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0n	periodic solu	tions	0111/0333	
of	the equation	$\frac{dp}{dx} = A(x)p + f(x)$ is	representable in the for	*m

$$p(x) = -W(x)B^{-1}D \int_{x}^{x+\omega} W^{-1}(s)f(s)ds.$$

[Abstracter's note: Complete translation.]

Card 3/3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618530003-5

IMANALIYEV, M.

Some Problems of the Theory of Non-linear Integral-differential Equations with Small Leading-derivative Parameters p. 22

TRANSACTIONS OF THE 2ND REPUBLICAN CONFERENCE ON MATHEMATICS AND MECHANICS (TRUDY VICROY RESPUBLIKANCE Y KONFERENTISTI PO MATEMATIKE I MERMANIKE), 1844 pages, published by the Fublishing House of the AS KAZAME SSH, ANAM-ATA, USSH, 1962

8/2757/62/000/002/0003/0020

AUTHORS: By*kov, Ya. V.; Imanaliyev, M.

TITLE: Periodic, nearly periodic, and bounded solutions of one. class of integro-differential equations with small parameter preceding the derivative

SOURCE: AN KirgSSR. Institut fiziki, matematiki i mekhaniki. Issledovaniya po integro-differentsial'ny*m uravneniyam v Kirgizii,

TOPIC TAGS: integro differential equations, nonlinear integrodifferential equations, periodic solution, nearly periodic solution, bounded solution, small parameter, integral operator, existence

The behavior is investigated of periodic, nearly-periodic, and bounded solutions of one class of integro-differential equations

with the highest-order derivative preceded by a small parameter. The symbolic form of this equation is

$$\mu \frac{dz}{dt} = F(z, y, t); \qquad \frac{dy}{dt} = f(z, y, t), \tag{3}$$

where z, y, F, and f are vectors, P and t are integral operators, and µ is the small parameter. Examples are given of integral operators which transform nearly-periodic, periodic, and bounded vector functions into almost periodic, periodic, and bounded vector functions, respectively. Existence theorems are derived for the periodic, almost periodic, and bounded solutions of monlinear systems of integro-differential equations. Several theorems are derived regarding the behavior of the solutions of systems of integro-differential equations with small parameter at the derivative. Orig. art. has: 30 formulas.

ASSOCIATION: Institut finiki, matematiki i mekhaniki AN Kirgssa (Institute of Physics, Mathematics and Mechanics, AN Kirg SSR)

APPROVED FOR RELEASE: 04/03/2001

CTA-RDP86-005T3R0006T8530003=

8/2757/62/000/002/0021/0039

AUTHOR: Imanaliyev, M.

TITLE: Behavior of the solutions of systems of integro-differential equations with small parameter preceding the derivative

ESTE STATESTE DE SESTIONE DE LA COMPANIO DEL COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO

SOURCE: AN KirgSSR. Institut fiziki, matematiki i mekhaniki. Issledovaniya po integro-differentsial'ny*m uravneniyam v Kirgizli, no. 2, 1962, 21-39

TOPIC TAGS: integrodifferential equation, nonlinear integrodifferential equation, integrodifferential equation system solution, small parameter, Cauchy problem

ABSTRACT: It is pointed out that the theory of integro-differential equations (IDE) with small parameter preceding the highest order derivative (example -- energy transfer between inductively coupled electric network with small capacitances) differs from the theory of

Card 1/3

differential equations with small parameter, so that an independent study of the former is of importance. General theorems are proved with respect to the solution of a general system of IDE

$$L_{1}(u,z) = \frac{du}{dx} + \Lambda u + Bz + \int_{0}^{\infty} [K_{1}(x-t)u(t) + K_{2}(x-t)z(t)]dt = f_{1}(x);$$
(1.]

$$\int_{L_3(u,z)=z} \frac{dz}{dx} + Cu + Dz + \int_{-\infty}^{\infty} |K_3(x-t)u(t)| + |K_4(x-t)z(t)| dt = f_3(x),$$

where A, B, C, D -- constant matrices, $K_1(x)$ -- quasipolynomials in x with matrix coefficients, u, f_1 , f_2 , z -- vectors. The conditions under which the solutions of the Cauchy problem converge to the solution of the system are examined. Orig. cart. has: 32 formulas.

Card 2/3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618530003-5'

ACCESSION NR: AT3013098

ASSOCIATION: Institut fiziki, matematiki i mekhaniki AN Kirgssk (Institute of Physics, Mathematics, and Mechanics, AN Kirgssk)

SUBMITTED: 00 DATE ACQ: 30Sep63 ENCL: 00

SUB CODE: MM NO REF SOV: 005 OTHER: 001

\$/0044/64/000/003/B080/B081

SOURCE: Ref. zh. Matematika, Bas. 3B380

AUTHOR: Imenaliyev, M.

TITLE: The behavior of solutions to Vol'terr type integro-differential equations with small parameter at a higher derivative

CITED SOURCE: Sb. Materialy* 7-y Nauchn, konferentsii Kafedry* vy*ssh, matem. Frunzensk. politekhn. in-t. Frunze, 1963, 12-19

TOPIC TAGS: Vol'terr integro-differential equation, function convergence, generate problem

TRANSLATION: For the problems

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5/0044/64/000/003/3081/3081

SOURCE: Ref. zh. Matematika, Abs. 3B381

AUTHOR: Imanaliyev, M.

TITLE: Integro-differential equations with small parameter at higher derivatives

CITED SOURCE: Materialy* 7-y Nauchn. konferentsii Kafedry* vy*ssh, matem. Frunzensk. politekhn. in-t. Frunse, 1963. 20-26

TOPIC TAGS: integro-differential equation, Cauchy problem solution, degenerate problem

TRANSLATION: Under certain hypotheses with respect to known functions, the author proves: 1) the existence and uniqueness of the solution to the Cauchy problem for the system of integro-differention equations (s. i.-d. e.).

 $A\sigma'(x)+B\sigma(x)-f(x,\sigma)+\int\limits_{0}^{\infty}K\{x,t,\sigma(t)\}dt,\sigma(t)-at$

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2) the convergence of the solution of the Cauchy problem $u^{(1)}(0,\xi) = v^{(1)}(0)$

to the solution of problem (1) when $\xi \to 0$. The author also considers the convergence of the solution $u(x, \xi)$ of the Cauchy problem

for the s. i.-d. e.

$$u' + Au - \lambda \left[f_1(x, u, z) + \int_{0}^{\infty} f_2(x, t, u, z) dt \right],$$

$$u' + Bu + \int_{0}^{\omega} K(x, t) x(t) dt - \lambda \left[f_2(x, u, z) + \int_{0}^{\omega} f_2(x, t, u, z) dt \right],$$

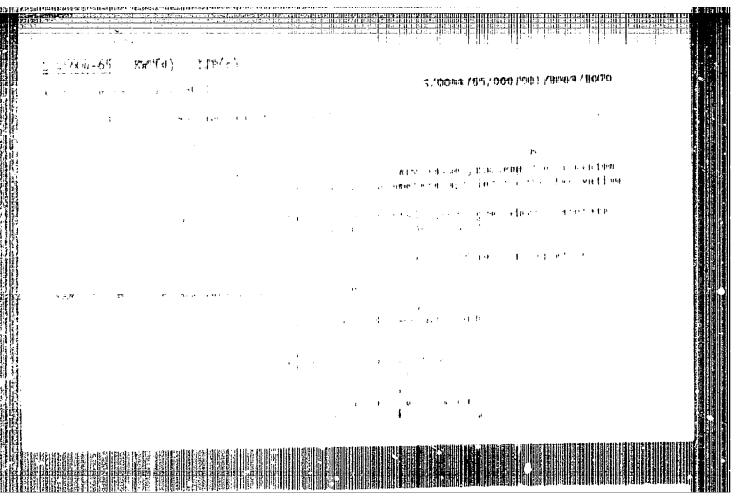
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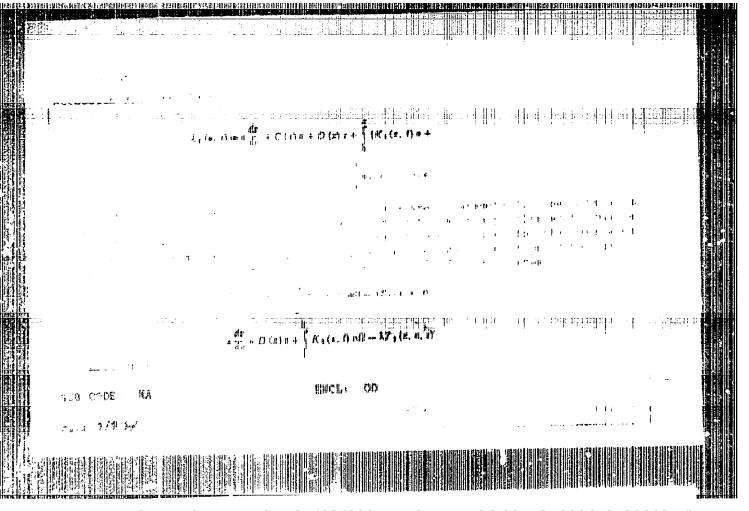
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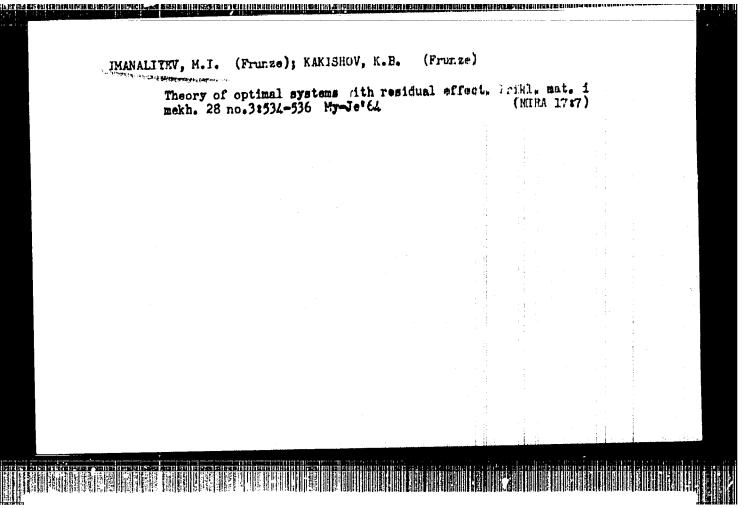
()		The solution of $s = \sigma(x) + \sum_{i=1}^{n} \sigma_{i}(x) s^{i} + \sigma_{0}$		4			
where	· z (x, ¢	$- w(x) + \sum_{i=0}^{n} \rho_{i}(x) e^{i} + w_{0}$	$(x, a) + \eta_{a+1}(x, a),$				
	•	m ₀ (π, ε) → 0, ε → 0; ζ _{α+1} (π, < Ma ⁿ⁺¹ ;					
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	f solutions o with a small tematicheskiy coblem, integ	f the para shur ro di	Cauc meter nal,	r mul v. 7 entla) wha	t († 1) , no. 1 eq:	/10 B	the d 1966, on, as	61-	ative
problem for the integ	$\mu y' + P(x)y = \overline{\lambda}$ $y(0)$	K(x, t		**				(1) (2)	
where $\mu > 0$ is a small $P(x)$ and $K(x,t)$ are conducted $1/2$	l parameter, ontinuous on	the	udie Inter	vals	0 < :	(ssumpt 1,0 <	i.on :: <	that 1,

and P(x) > 0. I	t is shown	that the p	roblem	(1)-((£) un	lpr cer	e i i n	con-
ditions of smoot y + 0 to a certa	hness of P(x) and K(x	,t) ha	s solu	it tons	which	tand	a S
	A	ιφι (x) +····+	$A_m \varphi_m(x)$	•			(4)	-
where (x), m		an naaffir	. (A #11	nii cadu	P. M. 1 (4) 1	? T A H & I	1 L E G
for determining with the remaind	their value	. The asy	mptoti	cs of	the d	lutio	18 /(1 he 18	vaib-
totic behavior	of the solu	tions of t	he Cau	ichy pi	coblem	for t	101	1+
		$(x)y = \tilde{\lambda} \int_{0}^{x} K(x)$	t) y (t) di	+ /(x).			(4)	
is also consider	red. The as	ymptotics	of the	воли	tion i	cons	tructe	ad by
means of a metho		o that use	ed in p	robles	(1)*	(2).	orig.	[LK]
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"Clinical-Spidemiological Character of Endemic (Murine) Evanthematous Typhus," by S. A. house 1571, Econottel Marie 1884. Semashko (Baku), Zhurmal Mikrobiologii, Epidemiologii, i Immumobiologii, No 3, Mar 57, pp 47-53

The author describes the similarities and differences between endemic (murine) rickettsiosis and epidemic exanthematicus typhus and reports on special studies made at the (Baku) First City Clinical Hospital imeni Semashko since an outbreak of the disease in 1949. He describes the characteristics of each disease and points out that murine epidemic necessarily being present in humans, but that no human epidemic is possible without infection of rodents. This is borne out by the comparatively insignificant contagion index of murine rickettsicals where flea infestation is absent among the diseased rate.

Wherever two or three cases of murine rickettsiosis were discovered direct clinical determination of the disease was felt to be accessary. Clinical differentiation between epidemic examthematous typhus and murine rickettsiosis was difficult, but of decided epidemiological importance.

The cases of human infection were usually found to be connected with the consumption of food products contaminated by the urine of infected rodents or by flee excrement. Comparative states on the

Sum : N 1451

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-005138

IMA MALIYEV,

TWAINLIVEV, S.A., Doc Ked Sci — (dies) "Endemic (ret) typhus feet in the city of Baku." Baku ,1953. J.; pp (deerb State Med Inst in M.Karimanov), 220 cojies. "List of author's works", pp63-34 (12 titles) (KI,24-58, 122)

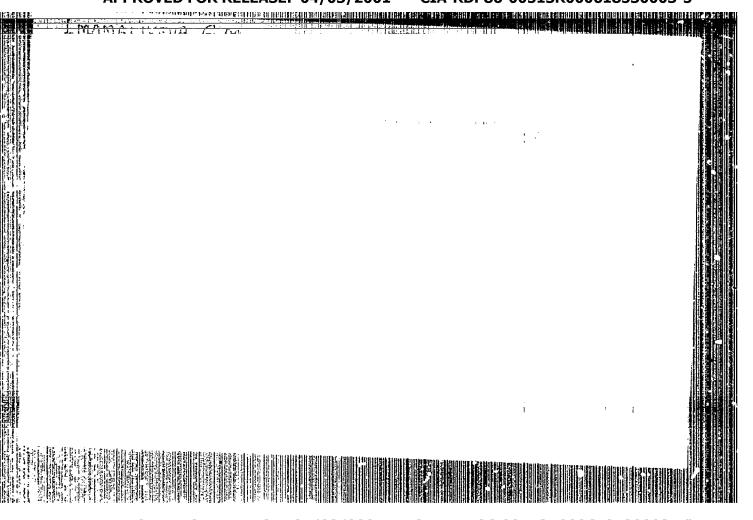
-87-

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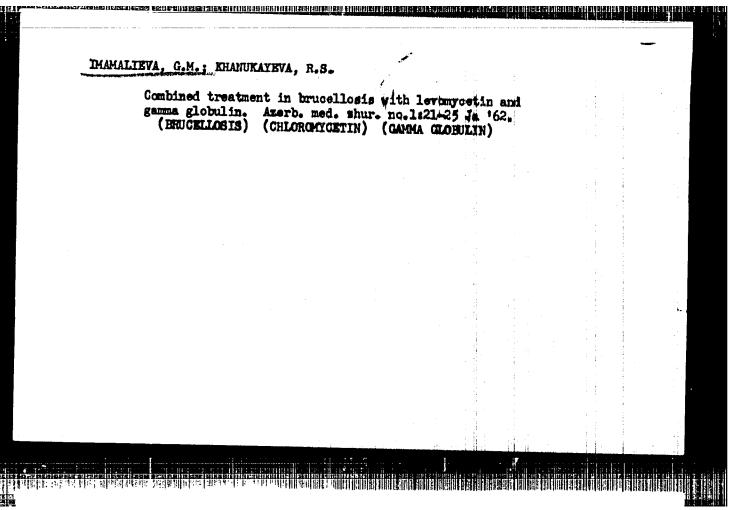
IMAMALIYEV, S.A.

Endemic (rat) typhus. Azerb.med.zhur. no.11:57-60 H 58 (MIRA 11:12)

1. Is respublikanskoy sanitarnoy epidemiologicheskoy stantsii (glavvrach M.I. Velibekov). (TYPHUS PHVER)



IMMALITEVA, G.M. Clinical importance of color sedimentation reaction of urine in brucellosis. Lab.dolo 2 no.2:14-17 Mr-Ap '56. (MLRA 9:10) 1. Is kefedry infektsionnykh bolesney (sav . - prof. M.G.Safaralibe-kov) Aserbaydshanskogo meditsinskogo instituta. (URINE) (BRUCELLOSIS) (MEDICAL TESTS)



ALBANIA / Zooparasitology. Parasitic Worms

G-2

Abs Jour : Ref Zhur - Biol., No. 8, 1958, No 33958

Author

: Imami Papavrami

Inst

: Not given

Title

: Four Cases of Fasciolesis gainst a Background of Fasciola

Hepatica Invasion. -- Chetyre sluchaya fastsioleka na pochve

invazii Fasciola hepatica.

Orig Pub : Bul. shkenc. natyr., 1956, NO. 2, 49-75

Abstract : For the first time in Albania cases of fasciolesis were

identified in humans.

Card 1/1

SOKOLOVA, Ye.I.[deceased]; BRAYNZAROVA, G.T.; BUCHANOVA, N.S.;
ZHIKHAREVA, V.I.; ZAKUMBATEV, A.K.; ISAYEVA, N.G.;
IMANDATEVA, U.A.; KRIVOSEEV, Yu.O.; KUMAYERIMPROV,
Zh.D.; IOKHEDICHIN, S.; TYUTYUKOV, F.M.; SHIM, P.S.;
LAZARONKO, Ye.I.; GARANKINA, A.I.; D'YACHENKO, R.;
PETUKHOV, R.M., kand. tekhn. nauk, nauchn. red.;
SHUPLOVA, M.A., red.; LEVIN, M.L., red.; HOROKINA, Z.P.,
tekhn. red.

[Food industry of Kasakhstan] Pishchevaia promyshlennost'
Kasakhstana. Alma-Ata, Isd-vo AN KasSSR, 1963. 172 p.

1. Akademiya nauk Kasakhskoy SSR, Alma-Ata. Institut ekonomiki.

(Kasakhstan—Food industry)

ABDULIAYEV, I.K.; CASANOV, D.O.; IMAMGULIYEV, S.D.

Studying the progeny (F1) of intraspecific and interspecific hybrids of cultivated silkworm races. Dokl. AN Azerb. SSR 17 no.10:947-952 '61. (KIRA 14:12)

1. Institut genetiki i selektsii AN AzSSR. (Azerbaijan-Silkworm breeding)

IMAMITDINOY. F.S.; NEPRIMEROV, N.N.; SHEKUN, L.Ya, Magnetic birefringence of microwaves in paramagnetic materials. (MIRA 11:5) 1.Kazanskiy gosudarstvennyy universitet.
(Microwaves) APPROVED FOR RELEASE: 04/03/2001

ABBULLAYEV, I.K.; ALIYEV, M.O.; IMAMKULIYEV, S.D.

Improved highly productive varieties of the mulberry tree for the Karabakh zone. Dokl. AN Azerb. SSR 19 no.11:87-90 '63. (MIRA 17:3)

1. Institut genetiki i selektsii AN AzSSR.

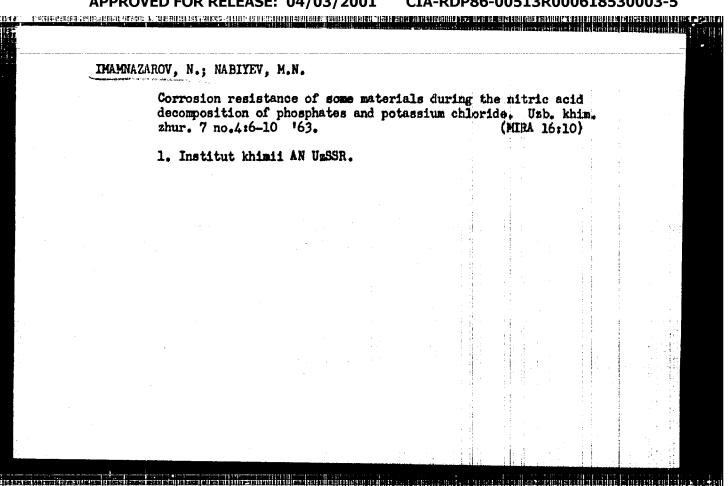
ABDULLAYEV, I.K.; ALIYEV, M.O.; IHAMKULIYEV, S.D.

Some problems of the biology of the flowering and fruiting of the mulberry grown for feeding silkworms. Izv.AN Azerb.SRN.Ser.biol. nauk no.5:25-31 '64. (MIRA 18:4)

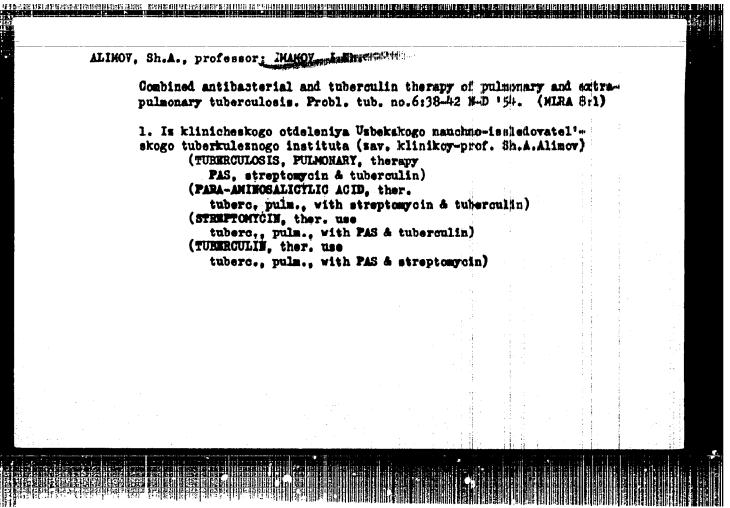
NABIYEV, M.N., akademik; IMAMNAZAROV, N.

Corrosion resistance of certain materials during the decomposition of phosphates and potassium chloride by nitric acid. Uzb. khim. zhur. no. 2:3-12 '60. (kira 14:1)

1. Institut khimii AN UZSSR. 2. AN UZSSR (for Nabiyev). (Phosphates) (Potassium chloride) (Nitric acid) (Corrosion and anticorrosives)



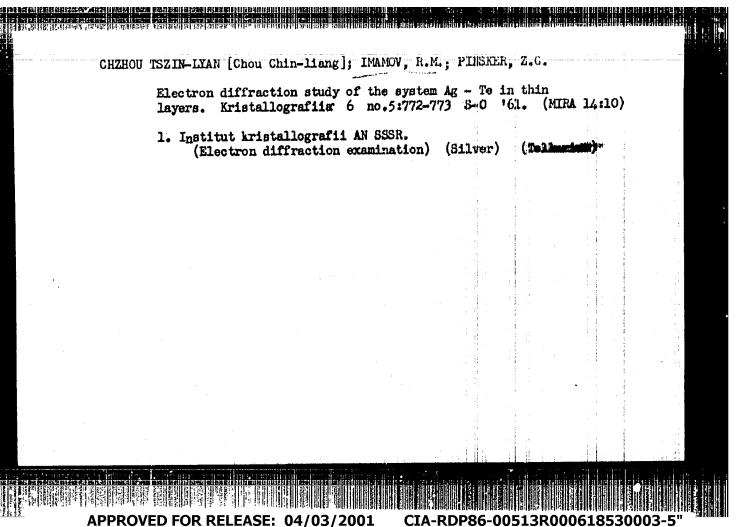
APPROVED FOR RELEASE: 04/03/2001



Late results of lung resection in tuberculosis. Problemby

Late results of lung resection in tuberculosis. Probl. tub. 42 no.8:28-32 '64. (MIRA 18:12)

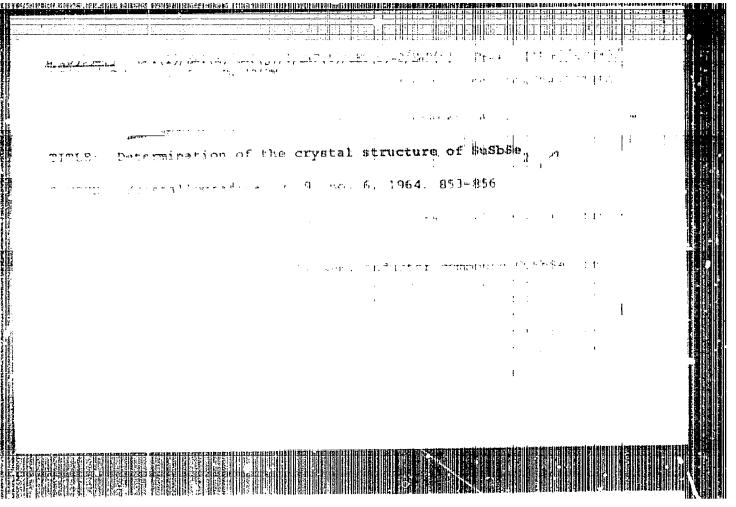
1. Kafedra obshchey khirurgii (ispolnyayushchiy obyazannosti zaveduyushchego - dotsent V.V.Vakhidov) lochetmogo lakuli-teta Tashkentskogo meditsinskogo instituta i khirurgicheskoye otdeleniye protivotuberkuleznogo dispansera Nc.2 (glavnyy vrach N.A.Azizov), Tashkent.



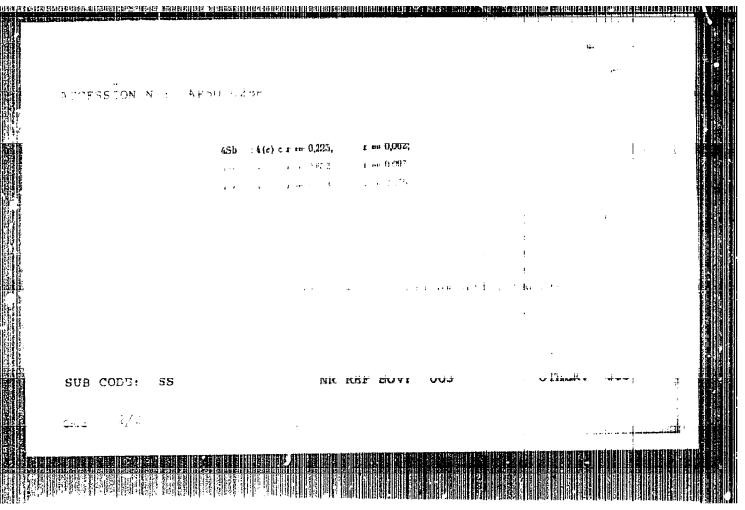
PINSKER, Z.G.; IMAMOV, R.M.

Electron diffraction study of the compound AgSbVe₂. Kristallografiia
9 no.4:556-557 JJ-Ag '64. (MIRA 17:11)

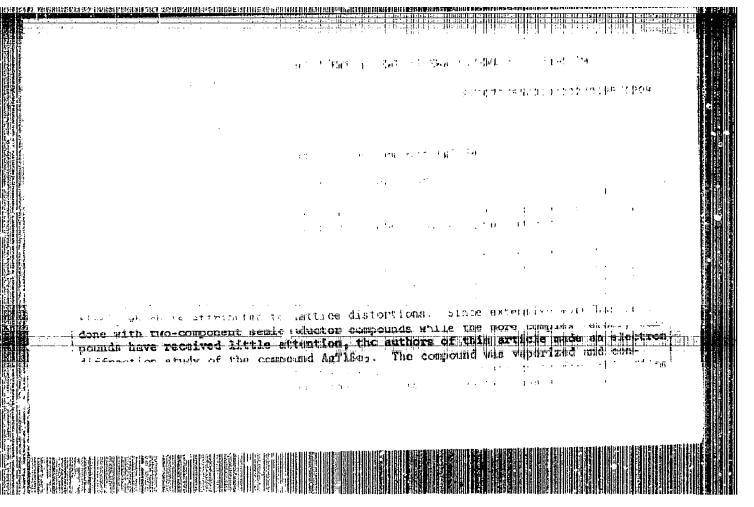
1. Institut kristallografii AN SSSR.

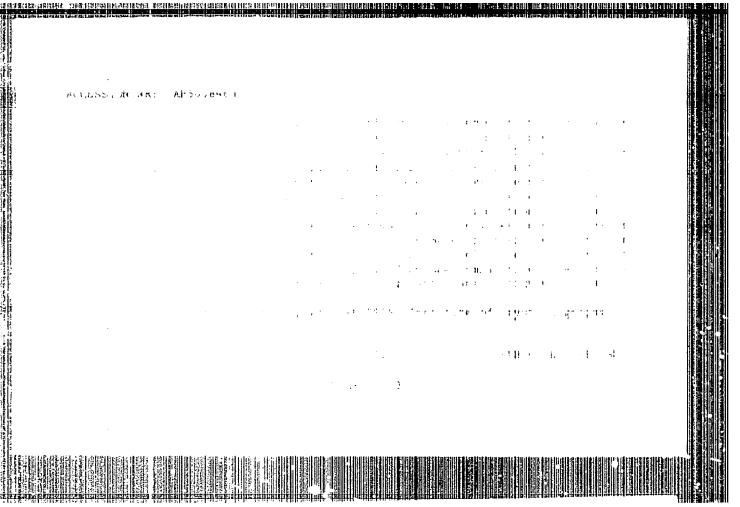


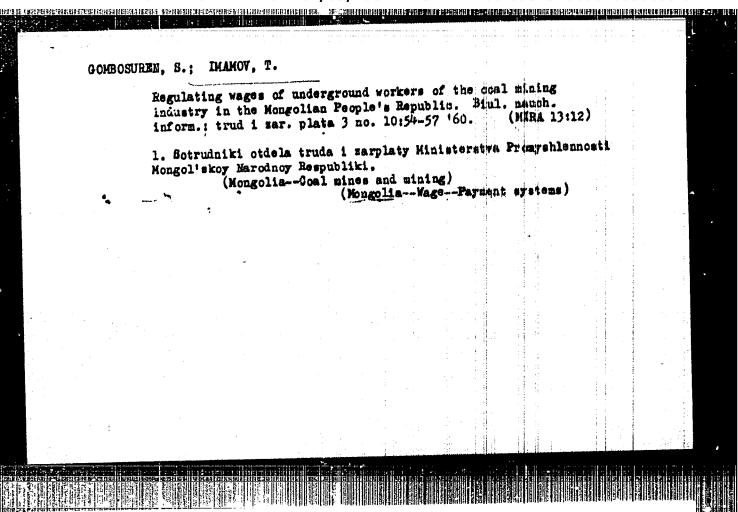
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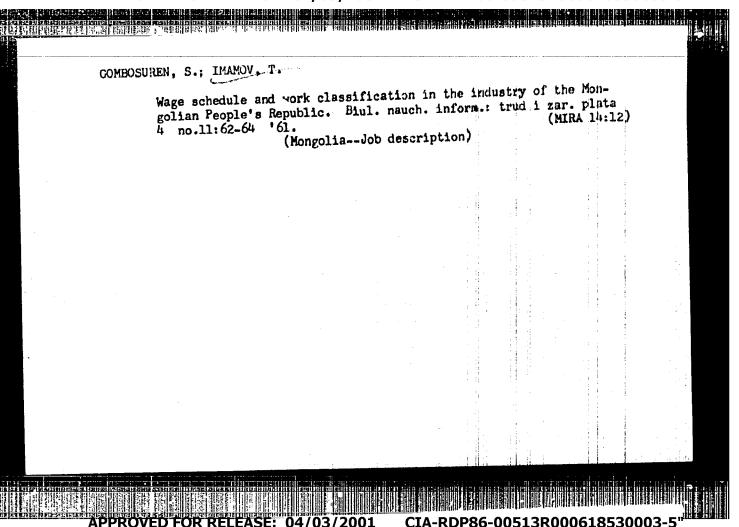


	E1	Electron diffraction study of the Bi-O system in thin films. Kristallografiia 9 no.6:857-863 N-D *64.									1	
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875.1.6 5/166/60/000/005/007/008 C111/C222

AUTHORS: Akbayev, R.A., Mazitov, B.S. and Imamov, T.IC.

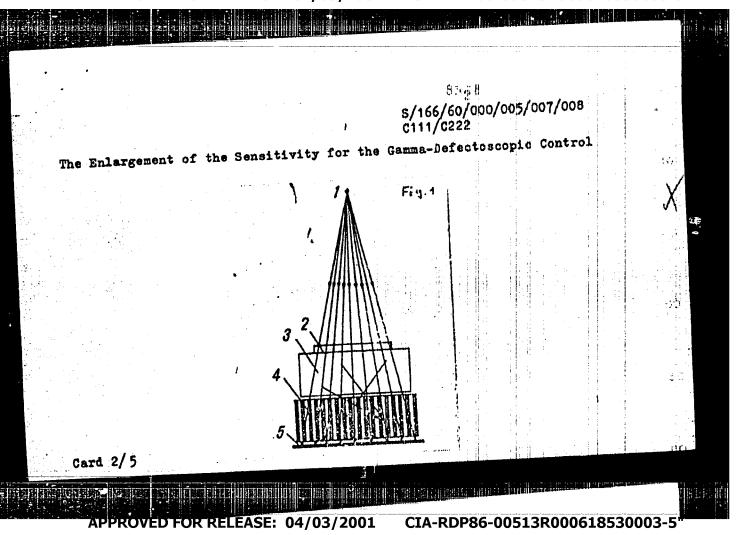
TITLE: The Enlargement of the Sensitivity for the Gamma-Defectoscopic Control

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fizikomatematicheskikh nauk, 1960, No.5, pp.80-82

TEXT: For the investigation with the aid of the gamma radiation of samples of a material whether there are defects (foreign bodies, cavities etc.), the thickness of the sample is of great importance. With an increasing of the sensitivity of the method decreases rapidly since in big samples the primary pradiation is scattered and, by this secondary radiation, the image becomes unclean. For this reason the authors propose to put an absorbing intermediate layer (fig.1) between the sample and to put an absorbing intermediate layer (fig.1) between the sample and the film, which consists of parallel (running in the direction of the primary r-radiation) lead plates of the thickness 0.3 mm; between them there are papers of the same thickness. Thus it is reached that the primary radiation reaches the plate without any hindering while the primary radiation is absorbed. The experiments (gamma-rays of Cs. 3.7 and scattered radiation is absorbed. The experiments (gamma-rays of cs. 3.7 and 1.92) carried out with the proposed arrangement show a clear sharpening of the image (fig.3). Card 1/5

APPROVED FOR RELEASE: 04/03/2001

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S/166/60/000/005/007/008 C111/C222

The Enlargement of the Sensitivity for the Gamma-Defectoscopic Control Fig. 3: Defectoscopic photo (a) and photo (b) of the standard (in (a) one half is with and one half is without an absorbing intermediate layer). There are 3 figures and 4 Soviet references.

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: June 7, 1960

Card 5/5

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single standard gamma source wavelength of gamma rays du of measurement are chosen a	O that the Committee	led on changes in	tue tion,
where $d\sigma/d\Omega$ is the different unit solid angle and R	$\frac{da}{d\Omega} = const, \qquad (2)$	dadrion applies:	
is obtained, where E is the	ndence $\eta(E) = const \cdot n(E)$	(3)	16-
Physically, (2) means that the remains constant independent	a corresponding change the number of quanta will of the scattering and	of R2 is necessation can be measu	ured
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ACC NR. AP6008692 SOURCE CODE: UR/0291/IS/000/005/IG053/0058

AUTHOR: Imamov, T. Kh.; Abrarov, O.

ORG: Institute of Nuclear Physics, AN UZSSR (Institut yadennoy flatki AN UNSSR)

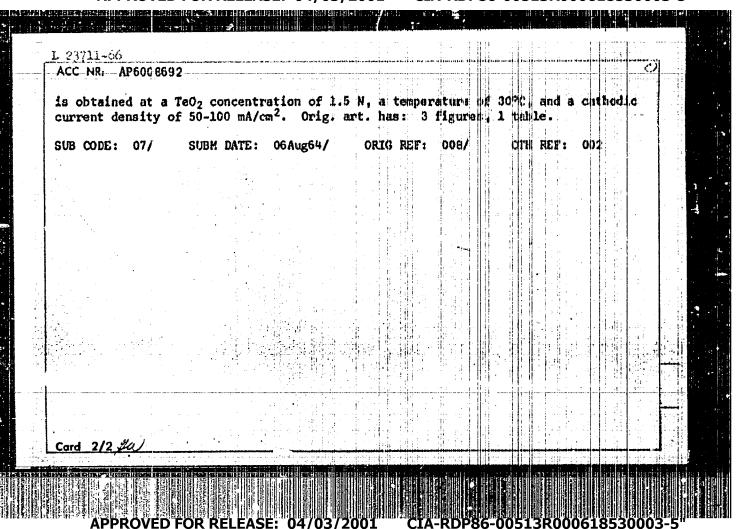
TITLE: Catholic polarization of tellurium in acid media

SOURCE: Uzbekskiy khimicheskiy zhurnal, no. 5, 1965, 53-58

TOPIC TAGS: tellurium, electrodeposition, cathode polarization

ABSTRACT: The object of the work was to study the kinetics of the cathodic process during the electrodeposition of tellurium from hydrofluoric and sulfuric acid solutions. The process involves the formation of cathodic tellurium which adheres well to the cathode and has a metallic luster; this considerably samplifies the technology of recovery of cathodic tellurium from a bath. It was found that as the tellurium concentration and temperature of the electrolyte rise, the cathodic polarization decreases. The high temperature coefficient of the polarization is attributed to the fact that the electrode process involves the reduction of complete tellurium cations, tetravalent tellurium being reduced. It was shown experimentally that as the electrolyte temperature rises and the polarization decreases, the tellurium electrodeposit obtained is fine-grained. The optimum conditions of electrodeposition of tellurium were determined; a dense deposit with metallic luster and good adhesion to the electrode

Card 1/2



ing me Wat. -USSR/Chemistry - Conversion processes Card 1/1 Pub. 22 - 28/56 ! Mekhtiev, S. D.; Aliev, A. F.; and Imamova, S. I Authors Title . Method of direct conversion of cyclic ketones this houdlogous polymethyl hydrocarbons Periodical : Dok. AN SSSR 99/5, 773-776, Dec 11, 1954 A method for direct conversion of cyclic ketonen into homologous polymethyl hydrocarbons, through catalytic hydrogenation, is desir bed. The results Abstract obtained during the synthesis of tyclopentane and cyclonekame, during one phase of hydrogenation of homologous ketones in a running system at an atmospheric pressure over an Ni-catalyst, are lines. The results obtained from the distillation of the hydrogenation products and the chemical properties of the fractions derived are tabulated. Five USSR references (1924-1950). Tables. Institution: Academy of Sciences USSR, Petroleum Institute Presented by: Academician A. V. Topciev, July 5, 1954

3/058/61/000/011/008/025 A05B/A101

5.5450

AUTHORS:

Imamutdinov, F.I., Shekun, L.Ya.

TITLE:

Fine structure of paramagnetic resonance rotation

PERIODICAL: Referativnyy zhurnal. Fizika, no. 11, 1961, 130, abstract 11V261 (V sb. "Paramagnitn. rezonans", Kazan', Kazansk. um-t, 1950, 153)

The authors examine theoretically the effect of internal electric TEXT: fields on paramagnetic resonance rotation. It is shown that the rotation curve must have a fine structure analogous to that of paramagnetic resonance absorption. Rotation corresponding to individual lines of the fine structure may have different signs as a function of the character of the change in energy with the magnetic field. The fine structure of rotation was observed in corundum single crystals with Cr3+ ions.

[Abstracter's note: Complete translation]

Card 1/1

CIA-RDP86-00513R000618530003-5" **APPROVED FOR RELEASE: 04/03/2001**

56-34-4-45/60

AUTHORS:

Imamutdinov, F. S., Neprimerov, N. N., Shekun, L. Ya.

TITLE:

The Magnetic Double Refraction of Midrowaves in Paramagnetics (Magnitnoye dvoynoye lucheprelomlenine mikrovoln v paramag-

netikakh)

PERIODICAL:

Zhurnal eksperimental noy i teoxeticheskoy fiziki, 1958,

Vol. 34, Nr 4, pp. 1019 - 1021 (USSR)

ABSTRACT:

At the frequency of 9375 megacycles the authors investigated the rotation of the polarization plane of the wave H, in a circular wave guide filled with paramagnetic salt as function of the field strength of the external magnetic field Ho which was arranged vertical to the direction of the propagation of the radiowave. The gradual transittion of a rectangular standard-wave guide to a circular waveguide of a diameter of 23 mm served as polariner. A rotating Turnikette link served as analyser. The angle of rotation does not depend on the sign of H but on the angle ψ between H and the magnetic field H of the radiowave prior to its entering the paramagnetic. This dependence obeys the law $\Delta \psi \sim \sin 2\psi$, so that the maximum effect is observed at $\psi = 45^\circ$. A diagram

Card 1/2

APPROVED FOR RELEASE: 04/03/2001

The Magnetic Double Refraction of Microwaves in Paramagnetics

shows as an example the curve of the specific rotation of a powdery sample of MnCl₂.4H₂O. This rule may be explained as follows: The rotation of the polarization plane is dependent on the anisotropy of the magnetic permeability. A formula is written down for the tensor of the magnetic high frequency susceptibility of the paramagnetic. The calculation is carried out for the free space and the discussed considerations show the following: The magnetic double refraction of nicrowaves in paramagnetics (Kotton-Muton effect for nicrowaves) depends in a high degree on the paramagnetic absorption in vertical and parallel fields. A more adjusted description of the results obtained will follow in a work to follow there are i figure and 20 references, 6 of which are Soviet.

ASSOCIATION:

Kazanskiy gosudarstvernyy universitet (Kazan' State University)

SUBMITTED:

January 10, 1958

1. Microveves-Refraction 2. Microw

2. Microwavan-Magnitic feetors

Card 2/2

APPROVED FOR RELEASE: 04/03/2001

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3172) \$/057/61/031/012/010/013 B104/B112

24,7700(1055,1147,1154)

AUTHOR:

Imamutdinov, F. S.

TITLE:

Fine and hyperfine structures of paramagnetic rotation

resonance

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 12, 1961, 1472-1476

TEXT: The fine structure of the paramagnetic rotation resonance of the polarization plane of microwaves ($\lambda=3$ cm) in chrome corundum was studied at room temperature (Fig. 1). Ho of the microwaves was oriented parallel

and perpendicular to the crystal axis. The experimental layout was described previously (N. N. Neprimerov, Izv. AN SSSR, ser. fixich., 18, no. 3, 1954; 21, no. 9, 1288, 1957). Its principal part is a twelve-pole waveguide junction. Measurements were made on disk-shaped specimens (9 mm diameter, 3 mm thick) of a chrome-corundum single crystal (A1_{1-x}Cr_x)₂0₃ with x = 0.009. The crystal axis was oriented perpendicular to the disk plane. Similar to the paramagnetic absorption resonance, three lines were observed. Resonance fields of 650, 3400, and 7500 were Card 1/4.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618530003-5

Fine and hyperfine structures

obtained for the transitions 3/2-1/2, -1/2-1/2, 1/2-3/2. Paramagnetic rotation resonance was also observed at the free radical of α - α -diphenyl- β -picrylhydrasyl. By means of the spin Hamiltonian $\hat{x} = D(\hat{S}_z^2 - 5/4 + g\beta \hat{H}_0 \hat{S})$, the energy levels and wave functions were calculated for Cr^{3+} in corundum (IDI = 0.19 cm⁻¹, g = 1.98 cm⁻¹). the fine structure of the paramagnetic rotation resonance in chrome corundum (Holl C) should be calculated from L. Ya. Shehun's equation

 $\chi_{xy} = \frac{N_g a_{22}}{kT(2S+1)} \sum_{g \neq g} (S_g)_{gg} (C_g)_{gg} \frac{u_{gg} + \frac{1}{2}}{u_{gg} - u + \frac{1}{2}}$

(Izv. AN SSSR, ser. fizich., 20, no. 11, 1265, 1956), there -kn T is the time average between collisions of the gas atoms, and (Sx)kn (Sy)kn are the matrix elements of the spin components. Resonance fields of 612, 3515, and 7642 oe were obtained. In manganese apatites where the Ca2+ ions were partly replaced by Mn2+ ions, paramagnetic rotation Card 2/4_

APPROVED FOR RELEASE: 04/03/2001

31723 8/057/61/031/012/010/013 B104/B112

Fine and hyperfine structures...

resonance was also observed. This spectrum has the same lines as that of paramagnetic rotation absorption. This paper was read at the XIII Vsesoyuznoye soveshchaniye po spektroskopii (XIII All-Union Conference on Spectroscopy) held in Leningrad in July, 1960. A. S. Bebchuk, R. P. Bashuk, L. M. Kharitonova, and L. P. Sorokina are thanked for supplying chrome-corundum specimens, and L. Ya. Shekun for discussions. There are 5 figures and 7 references: 6 Soviet and 1 non-Soviet.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina (Kazan' State University imeni V. I. Ul'yanov-Lenin)

SUBMITTED: February 8, 1961

Fig. 1. Block diagram of experimental arrangement.

Legend: (KC) klystron generator; (EC) ferrite decoupler; (EG) phase shifter; (T) turnstile joint; (E) detector; (YHY) low-frequency amplifier; (EC) cathode-ray oscilloscope; (H) load.

Card 3/4

APPROVED FOR RELEASE: 04/03/2001 CIA-

CIA-RDP86-00513R000618530003-5

Card 1/2

ACCESSION IR: AP3002930 1/1281/18821/3006/12881/1881/ Zianovskiy, A. B.; Imamutdinova, V. M. TITLE: Mechanism of borate decomposition by sulfuric scill solidilic Zhurnel fizicheskoy khmii, w. 37, no. 6, 1963, 1968-1891 TOPIC TAGS: borate decomposition, gypsum, borate, sulfurly scilit, indite, colemanite, bydroboracite, ulexite, solvent cycling prethol. ABSTRACT: The rate of dissolution of expans, B sub 2 0 sitt 3 std four naturally occurring corates, inoite, colemanite, hydroborusite, and when in H and 2 40 sub 4 solutions at 25 and 50 degrees has been determined, maining the solvent cycling method in a close system. Gypsum films are formed on the surfaces of the dissolving crystels, which thereby limits the process of decomposition of the calcium boretes in E sub 2 SO sub 4. The dissolution rates will respect to calcium referred to its content in unit volume of the mindred with purven with maxima. Orig. art. has: 4 figures and 6 equations. ASSOCIATION: Kazanakiy gosudaratvenny'y universitet (Handle State University)

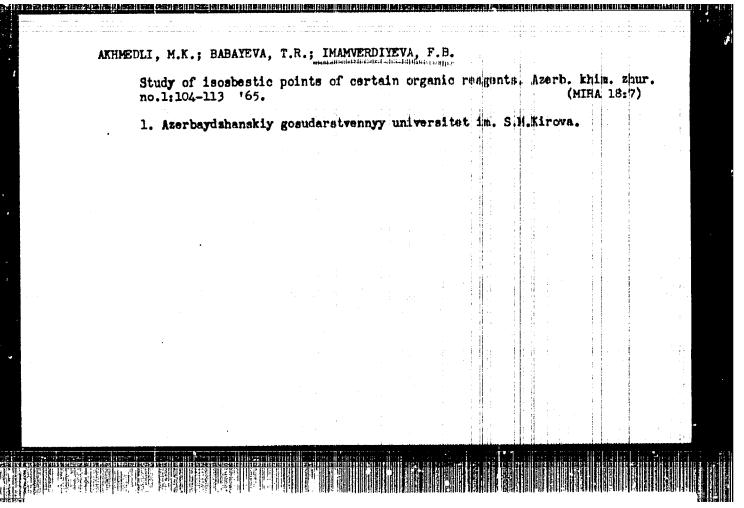
ZDANOVSKIY, A.B.; IMAMUTDINOVA, V.M.

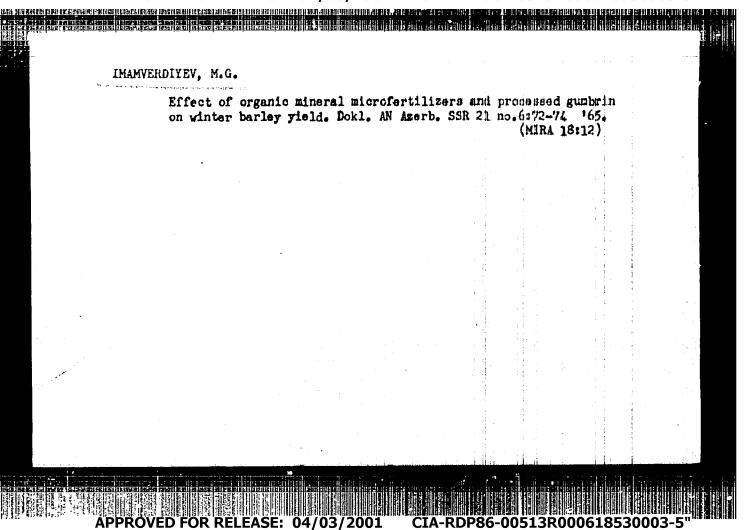
Kinetics of solution of natural borates in hydrochloric acid solutions. Zhur. prikl. khim. 36 no.8:1675-1680 hg '63.

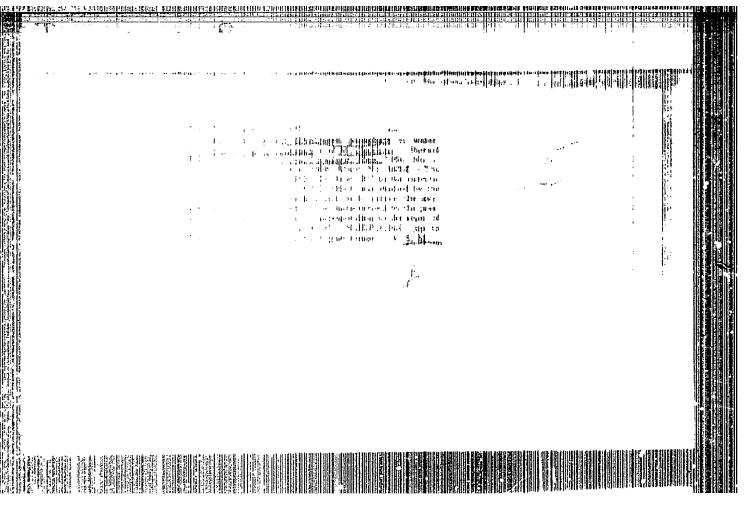
(MIRA 16:11)

1. Kazanskiy gosudarstvennyy universitet imani V.M. Ul'yanova-Lenina.

2	ZDANOVSK	KIY, A.B.; IM	MUTDI	NOVA, V.M.											
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KYDYHOV, M., nauchnyy setrudnik; BATYRCHAYEV, I.; LOPIHA-SHENDRIK, M.D.;

KALBAYEV, A.; IMAHAKUROV, B.; SULAYMANKULOV, K., kand.khim.nsuk;

DUYSHEHALIYEVA, N.; AKBAYEV, A.; KAZIYEV, K.; GOLOVIH, V.I.;

BAKASOVA, Z.; KOVALENOK, Z.P.; SHELUKHINA, M.P.; BUGUBAYEV, A.B.,

starshiy prepodavatel; BAYBULATOV, B.B., mladshiy nsuchnyy

setrudnik; FILIPPOV, B.A., mladshiy nauchnyy setrudnik; MAMBETA
KUHOV, T., aspirant; IMANKULOV, A., aspirant; TURMAMHETOV, S.,

mladshiy nsuchnyy setrudnik; MUKHAMEDZIYEV, M.M., nsuchnyy setrudnik;

KOMUHBAYEV, A.O.; PAK, L.V.; HUDAKOV, O.L.; TOETOSUHOV, A.;

KULAKOVA, R.I.; ASHIRAKHMANOV, Sh., aspirant; ALYSHHAYEV, B.;

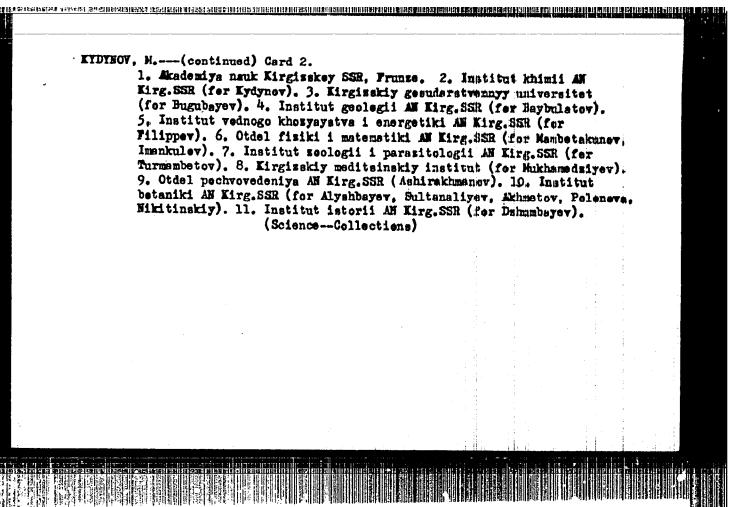
SULTANALIYEV, A.; AKHMETOV, K.; POLOBOVA, A.P.; HIKITIESKIY, Yu.I.;

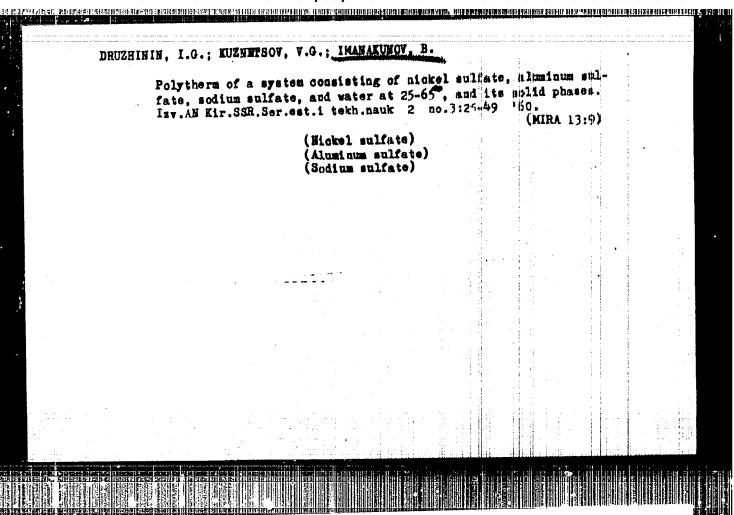
SHAMBETOV, S.Sh.; DZHUMBAYEV, B.O., nsuchnyy setrudnik; DHUZHIBIE,

I.G., red.; ANOKHINA, M.G., tekhn.red.

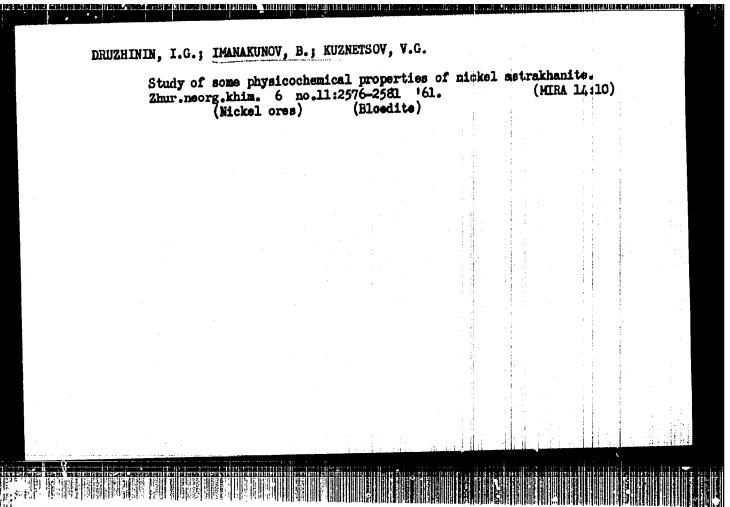
[Papers by junior scientists of the Academy of Sciences of the Kirgisakei Kirghis S.S.R.] Trudy molodykh nauchnykh rabotnikov AM Kirgisakei (MIHA 12:1) SSR. Frurse, 1958. 411 p. (Centinued en next card)

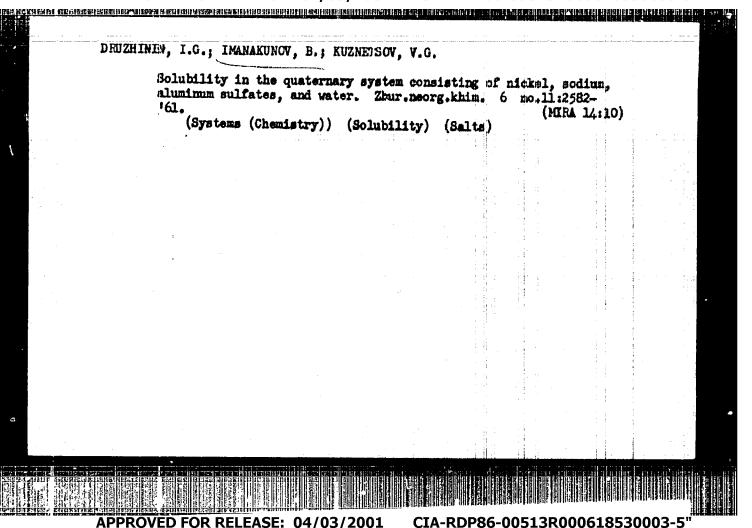
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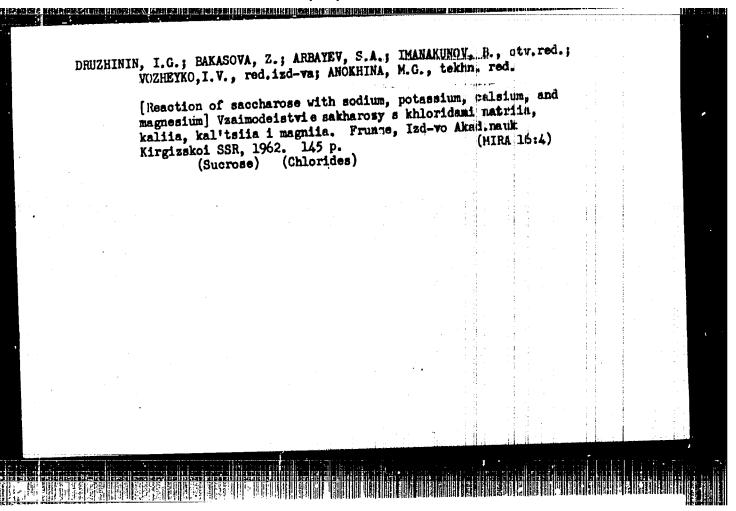




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KUZNETSOV, V.G.; IMANAKUNOV, B.

X-ray diffraction study of solid phases in termary squacus systems consisting of nickel, sodium, and aluminum malifates at 25-65 C. Zhur.strukt.khim. 3 no.1:51-63 Ja-F '62. (MIRA 15:3)

1. Institut obshchey i neorganicheskoy khimii imeni W.S.Kurnakova AN SSSR i Institut khimii AN Kirgisskoy SSR. (Systems (Chemistry)) (X rays-Diffraction)

DRUZHININ, I.G.; PAKASOVA, Z.; ARBATEV, S.A.; IMANAKUKOV, B., otv. red.;

VARIETKO, I.V., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Reaction of sacoharose with sodium, potassium, calcium, and magnesium chlorides] Vsaimodeistvie sakharosy s khloridami marmatiie, kaliia, kaliia i magniia. Frunze, Ind-vo Akad. nauk Kirgisskoi SSR, 1962. 145 p.

(Sucrose) (alkali metal chlorides)

(Alkaline earth chlorides)

(Alkaline earth chlorides)

IMANAKUNOV, B., etv. red. [Studying the interaction of urea and inorganic compounds] Issledovanie vzaimodeistviia mocheviny s neorganicheskimi soedineniiami. Frunze, Izd-vo "Ilim." 1964. 113 p. (MIRA 17:12) 1. Akademiya nauk Kirgizskoy SSR, tounze. Institut neorga-nicheskoy i fizicheskoy khimii. ROVED FOR RELEASE: 04/03/2001

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IMANAKUNOV, B., Cand Chem Sci — (diss) "Research into the solubility and into the solid phases in quaternary system of nickel sulfate, spd-ium sulfate, and aluminum sulfate with water in the interval 25-650C." Moscow, 1960. 13 pp; with charts; (Academy of Sciences USSR, Inst of General and Inorganic Chemistry im N. S. Kurnakov); 200 copies; price not given; (KL, 28-60, 157) APPROVED FOR RELEASE: 04/03/2001

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IMPNALITEU

USSR / Farm Animals. Small Horned Stock.

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105702.

: Volkova, A., Imanaliyev, M. Author

: Analysis of the Causes of Loss of Sheep During : Not given. Inst

Title Lambing.

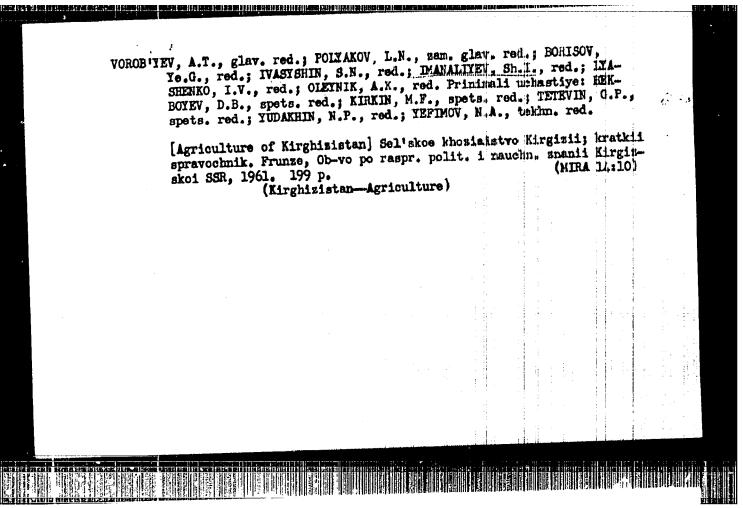
Orig Pub: Kyrgyzstandyn ayyl charbasy, 1958, No 1, 2-6; s. kh. Kirgizii, 1958, No 1, 2-5.

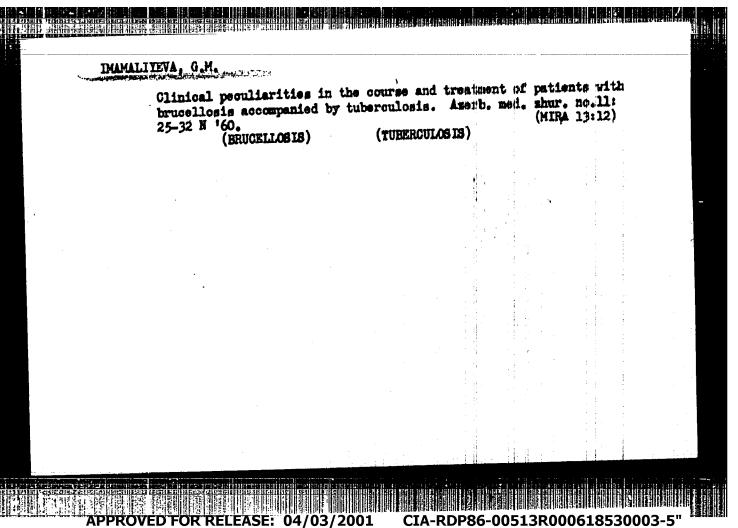
Abstract: In analyzing the causes of loss of sheep during lambing at the kolkhoz im. Lenin in Atbashinskiy

Rayon, it was found that 60% of the sheep which perished were over six years of age. The main causes of death were: obstruction of psalterium, retention of placenta, endometritis and inability

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THANALITEV, M. Functional state of the cardiovascular and respiratory systems in animals with a normal thyroid gland and in its systems in under mountain conditions. Izv. AM Kir. SSR. hypofunction under mountain conditions. Izv. AM Kir. SSR. Ser. biol. nauk 5 no.3:33-43 163. (MIRA 17:1) APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R000618530003-5





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